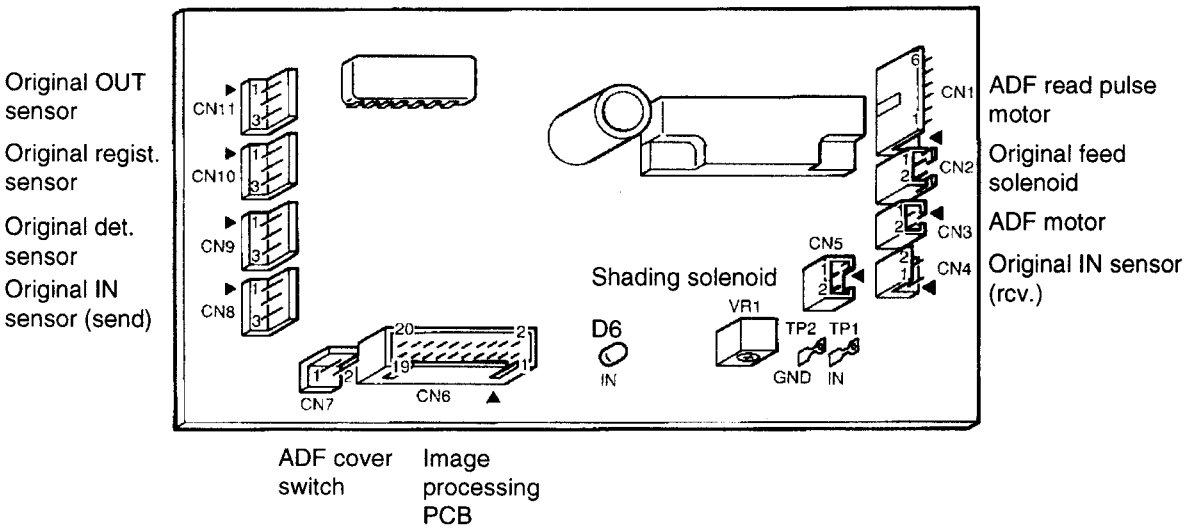
APPENDIX (V)

CONTENTS

1. Description of PCBs <GR>

1. Block Chart ..... APX (V)-1
2. Location of PCBs ..... APX (V)-5
3. System PCB2 ..... APX (V)-8
4. Image Processing PCB (GR2750/3750/1750) ..... APX (V)-15
5. Image Processing PCB (GR1700) ..... APX (V)-18
6. Motor Control PCB2 ..... APX (V)-20
7. Drum Control PCB2 ..... APX (V)-22
8. ADF PCB ..... APX (V)-24
9. Flat Bed PCB (GR2750/3750) ..... APX (V)-26
10. Trimming PCB2 (GR2750/3750) ..... APX (V)-28
11. Option PCB ..... APX (V)-29
12. LCD Control PCB ..... APX (V)-31
13. LED Control PCB ..... APX (V)-33
14. Power Supply PCB ..... APX (V)-35
15. TPH Power PCB ..... APX (V)-41

8. ADF PCB



VR

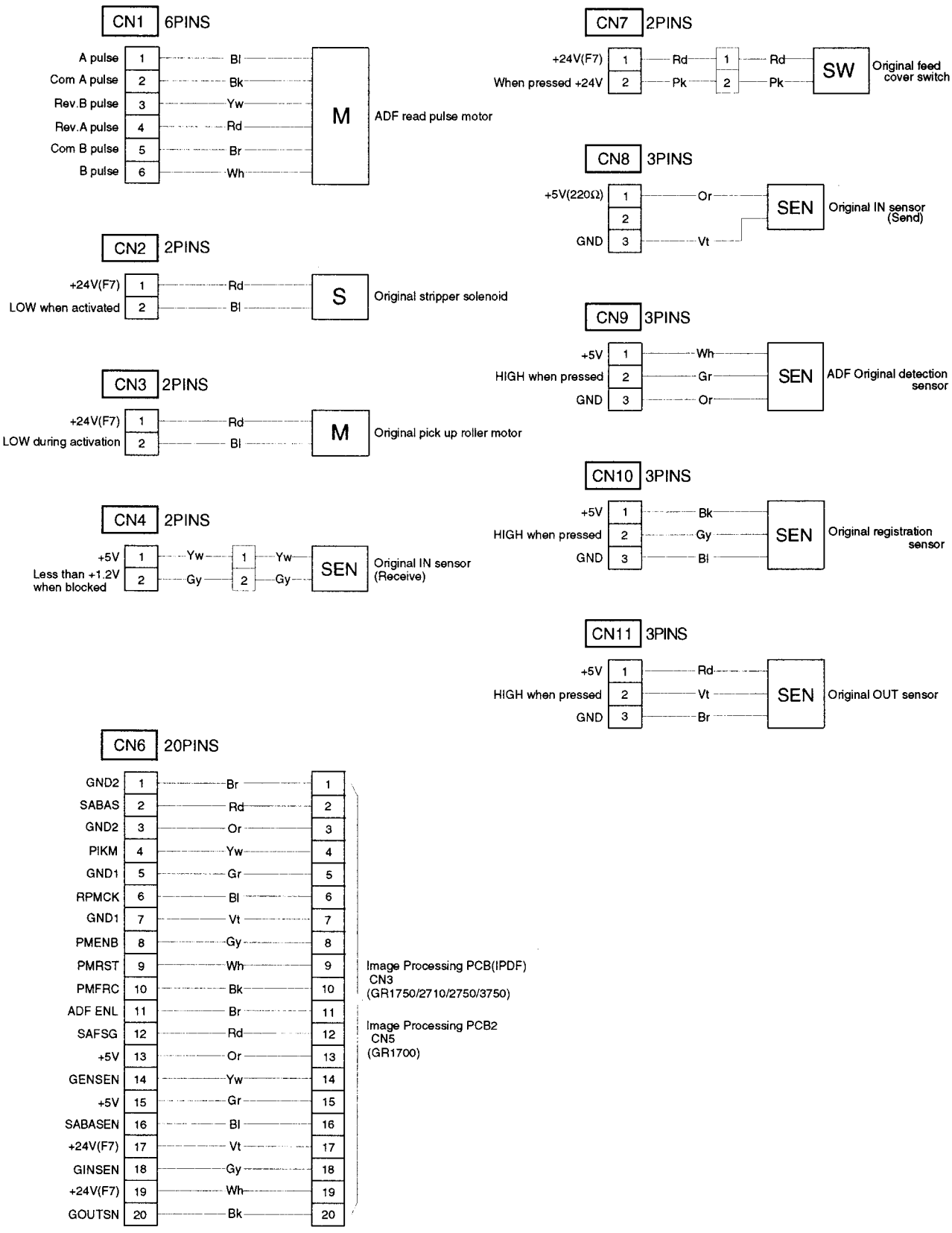
VR1 : For sensitivity adjustment of Original IN sensor (receive)

LED **- When LED is ON -**

D6 (IN) : The light path of the Original IN sensor is blocked.

TP

TP1 (IN) : For sensitivity adjustment of Original IN sensor
TP2 (GND) : For sensitivity adjustment of Original IN sensor


CN1 6PINS
A pulse 1 Bl
Com A pulse 2 Bk
Rev.B pulse 3 Yw
Rev.A pulse 4 Rd
Com B pulse 5 Br
B pulse 6 Wh
M
ADF read pulse motor
CN2 2PINS
+24V(F7) 1 Rd
LOW when activated 2 Bl
S
Original stripper solenoid
CN3 2PINS
+24V(F7) 1 Rd
LOW during activation 2 Bl
M
Original pick up roller motor
CN4 2PINS
+5V 1 Yw 1 Yw
Less than +1.2V when blocked 2 Gy 2 Gy
SEN
Original IN sensor (Receive)
CN7 2PINS
+24V(F7) 1 Rd 1 Rd
When pressed +24V 2 Pk 2 Pk
SW
Original feed cover switch
CN8 3PINS
+5V(220Ω) 1 Or
2
GND 3 Vt
SEN
Original IN sensor (Send)
CN9 3PINS
+5V 1 Wh
HIGH when pressed 2 Gr
GND 3 Or
SEN
ADF Original detection sensor
CN10 3PINS
+5V 1 Bk
HIGH when pressed 2 Gy
GND 3 Bl
SEN
Original registration sensor
CN11 3PINS
+5V 1 Rd
HIGH when pressed 2 Vt
GND 3 Br
SEN
Original OUT sensor
CN6 20PINS
GND2 1 Br 1
SABAS 2 Rd 2
GND2 3 Or 3
PIKM 4 Yw 4
GND1 5 Gr 5
RPMCK 6 Bl 6
GND1 7 Vt 7
PMENB 8 Gy 8
PMRST 9 Wh 9
PMFRC 10 Bk 10
ADF ENL 11 Br 11
SAFSG 12 Rd 12
+5V 13 Or 13
GENSEN 14 Yw 14
+5V 15 Gr 15
SABASEN 16 Bl 16
+24V(F7) 17 Vt 17
GINSEN 18 Gy 18
+24V(F7) 19 Wh 19
GOUTSN 20 Bk 20
Image Processing PCB(IPDF) CN3 (GR1750/2710/2750/3750)
Image Processing PCB2 CN5 (GR1700)

9. Flat Bed PCB (GR2710/2750/3750)

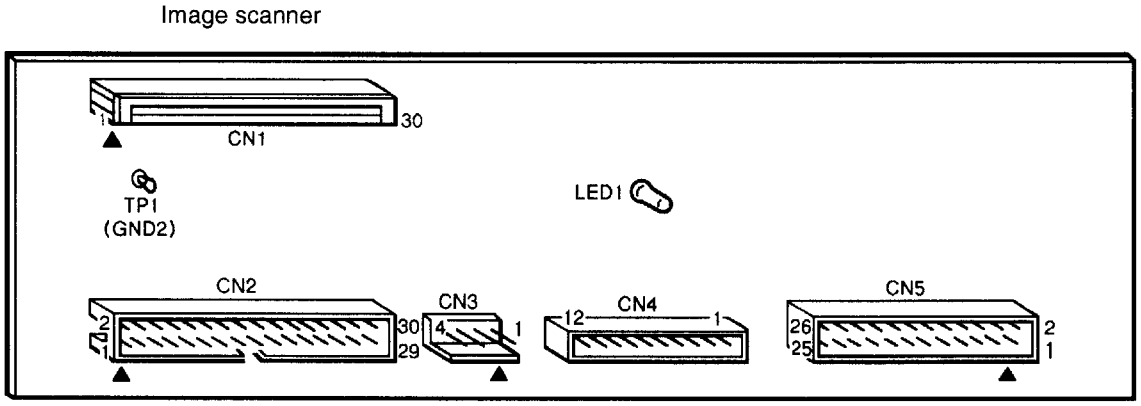


Image processing PCB(IPDF) CN2 (GR2710/ 2750/3750)

Flat bed read pulse motor

Various sensors

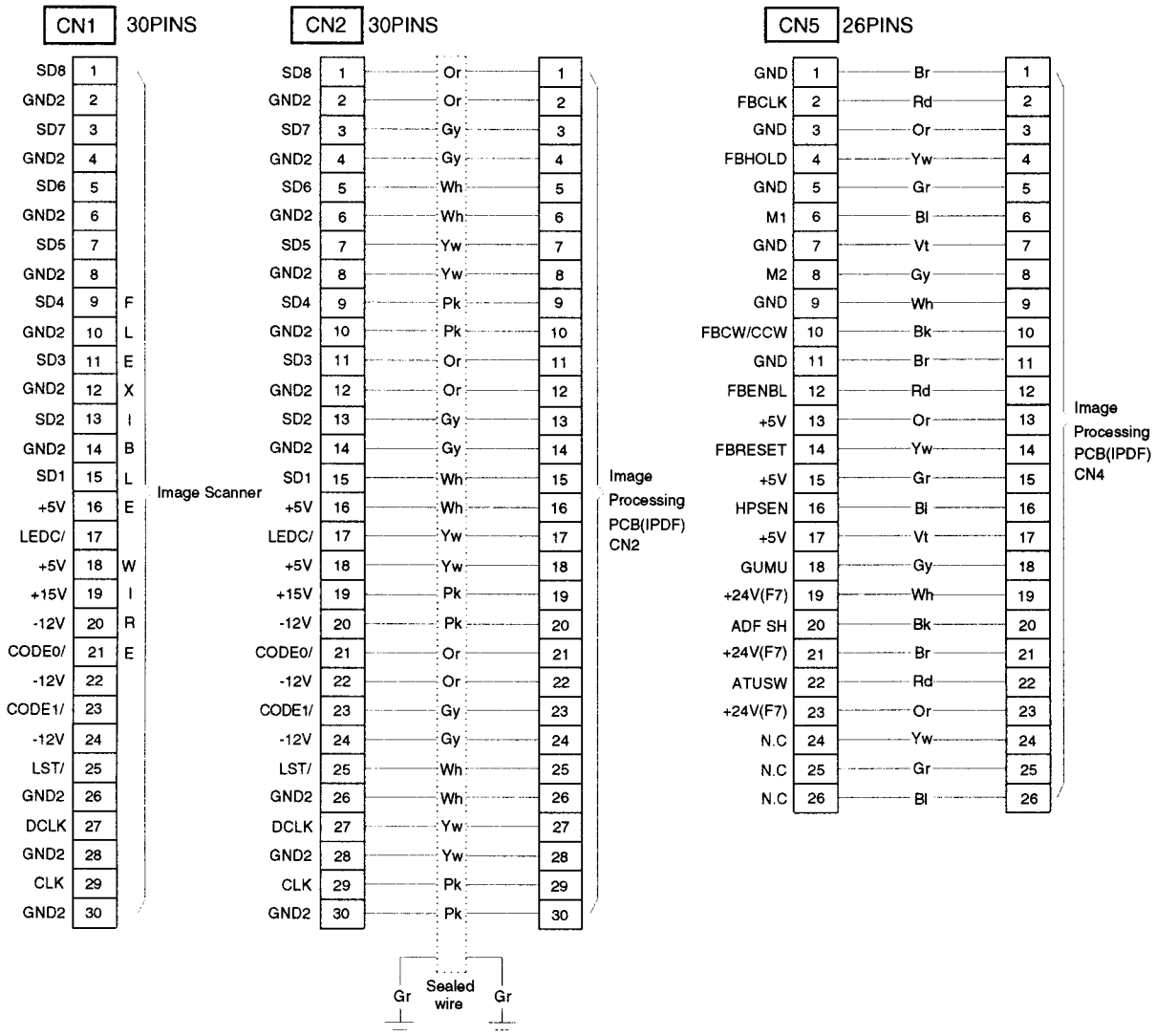
Image processing PCB(IPDF) CN4 (GR2710/2750/3750)

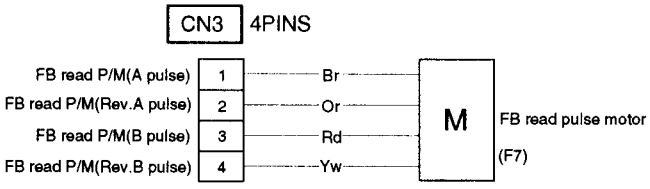
LED **- When LED is ON -**

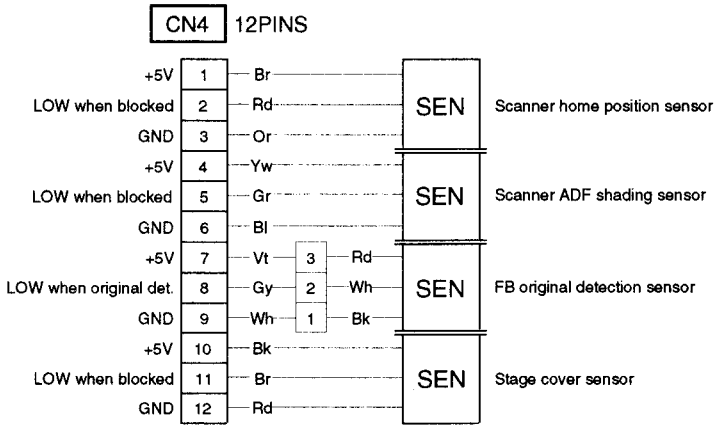
LED 1 : The Flat bed original detection senosr is detecting an original. (The sensor is detecting the reflected light)

TP

TP1 : GND 2

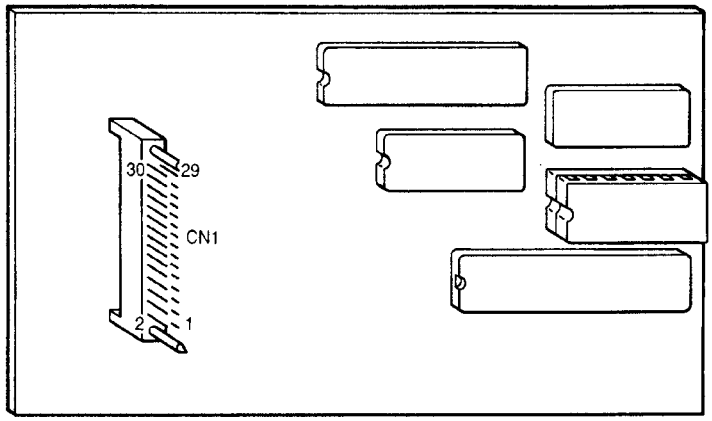

CN1 30PINS
CN2 30PINS
CN5 26PINS
Image Scanner
FLEXIBLE WIRE
Image Processing PCB(IPDF) CN2
Image Processing PCB(IPDF) CN4
Gr
Sealed wire
Gr


CN3 4PINS
FB read P/M(A pulse)
FB read P/M(Rev.A pulse)
FB read P/M(B pulse)
FB read P/M(Rev.B pulse)
M
FB read pulse motor (F7)


CN4 12PINS
LOW when blocked
LOW when original det.
SEN
Scanner home position sensor
Scanner ADF shading sensor
FB original detection sensor
Stage cover sensor

10.Trimming PCB2 (GR2750 & 3750)

Image Processing PCB(IPDF)
CN8
(GR2750/3750)



CN1 30PINS

+5V	1	Image Processing PCB(IPDF) CN8
+5V	2	
/LST	3	
VCK	4	
/YUKOU	5	
/SOUT	6	
/WHITE	7	
/PS	8	
/R/W-START	9	
/S/K-SIG	10	
/BUSY/RDY	11	
/END	12	
SIZE1	13	
SIZE2	14	
SIZE3	15	
/MS	16	
/CLEAR	17	
/TOP	18	
	19	
/SM	20	
/PHOTO	21	
/CP	22	
GND	23	
GND	24	
GND	25	
GND	26	
GND	27	
GND	28	
GND	29	
GND	30	